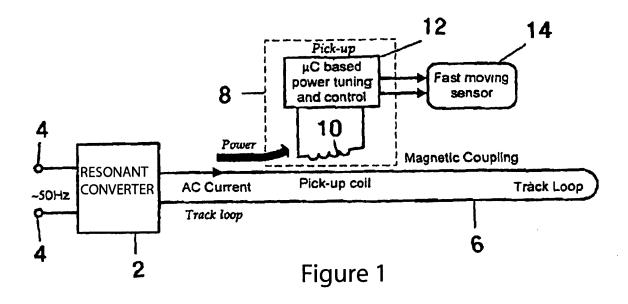
App No.: 10/558,352

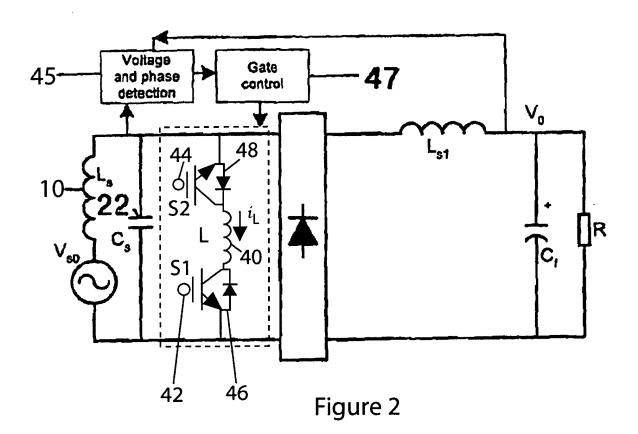
Docket No.: 20294/0203630-US0

Inventor: Stephan Helmut Hussmann et al.

Title: METHODS AND APPARATUS FOR CONTROL OF INDUCTIVELY COUPLED POWER TRANSFER SYSTEMS REPLACEMENT SHEET Sheet

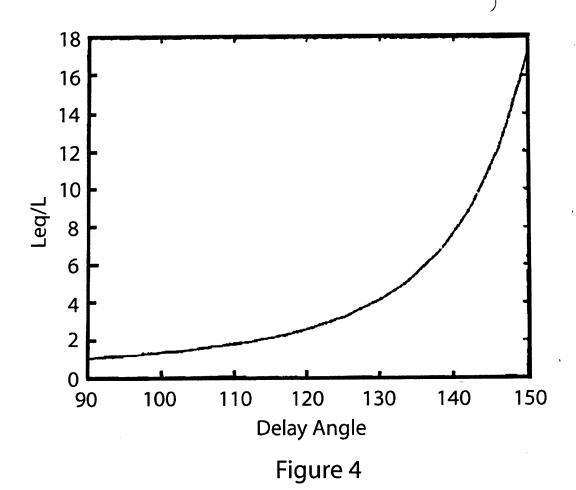
Sheet 1 of 4





App No.: 10/558,352 Docket No.: 20294/0203630-US0 Inventor: Stephan Helmut Hussmann et al.

Title: METHODS AND APPARATUS FOR CONTROL OF INDUCTIVELY COUPLED POWER TRANSFER SYSTEMS REPLACEMENT SHEET Sheet 2 of 4



Docket No.: 20294/0203630-US0 App No.: 10/558,352 Inventor: Stephan Helmut Hussmann et al. Title: METHODS AND APPARATUS FOR CONTROL OF INDUCTIVELY COUPLED POWER TRANSFER SYSTEMS Sheet 3 of 4 REPLACEMENT SHEET Voltage Gate 26 47 and phase control detection Vo 10 36 R C, 20 24 50 Figure 5  $\mathsf{C}^\mathsf{ed}$ Figure 6 0.95 0.9 k=7 0.85 k=5 0.8 0.75 min=1-1/k0.7 k=30.65 30 35 40 10 15 20 25 45 Q Figure 7

Docket No.: 20294/0203630-US0 App No.: 10/558,352 Docket Inventor: Stephan Helmut Hussmann et al.

Title: METHODS AND APPARATUS FOR CONTROL OF INDUCTIVELY COUPLED POWER TRANSFER SYSTEMS REPLACEMENT SHEET Sheet

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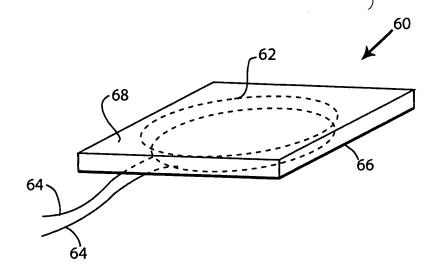


Figure 9

